INSTRUMENTATION CABLE
Cu, XLPE insulated, overall screen, PVC bedding, SWA, PVC outer sheath
EN50288-7, IEC60332.3-24

Type **R-Cu/XLPE/OS/PVC/SWA/PVC 300/500V**
RE-2X(st)YSWAY 300/500V

Conductor : Stranded plain copper conductor according to IEC60228 cl.2 size 1,3sqmm (7x0,49)
Diam. 1,3 mm

Insulation : Cross-linked XLPE extruded compound - Temperature range -20 + 90°C
Thickness : 0,5 mm - Temperature laying -5 + 90°C

Laying up : Twisted to pair, Blue - Black numbered (or to be agreed)

Overall screen Applied over total assembly will be wrapped with polyester tape and shielded with Aluminum/Mylar tape100% coverage and 25% overlap with metal side in contact with a tinned copper drain wire 7x0,30 size 0,5sqmm.

Bedding : PVC, Polyvinylchloride Low Smoke and Fume extruded compound
Thickness : 1,0 mm

Armour : SWA, Galvanized steel round wires

Outer sheath : PVC, Polyvinylchloride Low Smoke and Fume extruded compound
Color : Blue (or to be agreed)

Marking :
On the outher sheath " manufacturer's name year & description cable " with ink-jet printer.

Performance :
- Conductor resistance 18,1 ohm/Km (+ 5% for multipair)
- Test voltage core to core 2 Kv
- Flame retardant according to IEC60332-3-24, CEI20-22/3
- Low smoke and fume as per IEC60754-1, CEI20-37
- HCL emission </= 22%
- Hydrocarbon and UV resistant

- Inductance </= 0,90 mH/Km
- Capacitance </= 0,075 microF/Km

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Technical data & Electrical properties at 20°C

DESCRIPTION	Sheath thickness	Ext.Diam mm	W. Kg/Km	Armour Diam.	Bending radius
R-Cu/XLPE/OS/PVC/SWA/PVC 300V 2X2X1,3	1,4	16,8	350	0,90	235
R-Cu/XLPE/OS/PVC/SWA/PVC 300V 4X2X1,3	1,6	18,5	540	0,90	259
R-Cu/XLPE/OS/PVC/SWA/PVC 300V 8X2X1,3	1,8	23,5	810	0,90	329
R-Cu/XLPE/OS/PVC/SWA/PVC 300V 16X2X1,3	2	29	1310	1,25	406

Weight and diameter are theoretical + / - 10%